

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
0942.5000001APPLICATION NO.  
09/695,065APPLICANT  
Brasch et al.FILING DATE  
October 25, 2000GROUP  
1655

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>u</i>	AA1	4,673,640	06/16/1987	Backman	435	68	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner	435	6	10/01/1990
	AE1	5,354,668	10/11/1994	Auerbach	435	91.1	10/15/1993
	AF1	5,434,066	07/18/1995	Bebbee et al.	435	172.3	03/15/1994
	AG1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AH1	5,591,609	01/07/1997	Auerbach	435	91.2	02/03/1995
	AI1	5,614,389	03/25/1997	Auerbach	435	91.2	09/26/1995
	AJ1	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
	AK1	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>u</i>	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AM1	EP 0 300 422 A2	01/25/1989	Europe			Yes No
	AN1	WO 91/02801	03/07/1991	<del>WIPO</del> PCT			Yes No
	AO1	WO 91/16427	10/31/1991	<del>WIPO</del> PCT			Yes No
	AP1	WO 92/20791	11/26/1992	<del>WIPO</del> PCT			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	<u>1</u>	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage $\lambda$ xis Gene Product Required for $\lambda$ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc. (1982).
	AS	<u>1</u>	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc. (1984).
	AT	<u>1</u>	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc. (1986).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>u</i>	AA2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AB2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AC2	5,710,248	01/20/1998	Grose	530	327	07/29/1996
	AD2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AE2	5,733,733	03/31/1998	Auerbach	435	6	02/01/1996
	AF2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AG2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
	AH2	5,766,891	06/16/1998	Shuman	435	91.41	12/19/1994
	AI2	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AJ2	5,830,707	11/03/1998	Bushman	435	69.7	06/05/1995
<i>v</i>	AK2	5,837,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>u</i>	AL2	WO 93/15191	08/05/1993	<del>WIPO</del> <i>PCT</i>			Yes No
	AM2	WO 93/19172	09/30/1993	<del>WIPO</del> <i>PCT</i>			Yes No
	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
	AO2	WO 94/17176	08/04/1994	<del>WIPO</del> <i>PCT</i>			Yes No
<i>v</i>	AP2	WO 95/00555	01/05/1995	<del>WIPO</del> <i>PCT</i>			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	<u>2</u>	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," Cell 32:1301-1311, Cell Press (1993).
	AS	<u>2</u>	Adams, D.E., et al., "Cre-lox Recombination in Escherichia coli Cells: Mechanistic Differences from the in Vitro Reaction," J. Mol. Biol. 226:661-673, Academic Press, Inc. (1992).
<i>v</i>	AT	<u>2</u>	Andrews, B.J., et al., "The FLP Recombinase of the 2μ Circle DNA of Yeast: Interaction with Its Target Sequences," Cell 40:795-803, Cell Press (1985).

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u	AA3	5,843,772	12/01/1998	Devine et al.	435	69.1	11/18/1994
	AB3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AC3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AD3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AE3	5,874,259	02/23/1999	Szybalski	435	91.1	11/21/1997
	AF3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AG3	5,916,804	06/29/1999	Bushman	435	325	04/17/1998
	AH3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995
	AI3	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AJ3	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
↓	AK3	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
u	AL3	WO 97/06265	02/20/1997	WIPO PCT	—	—	Yes No
	AM3	WO 97/09436	03/13/1997	WIPO PCT	—	—	Yes No
	AN3	WO 97/25446	07/17/1997	WIPO PCT	—	—	Yes No
	AO3	WO 97/32481	09/12/1997	WIPO PCT	—	—	Yes No
↓	AP3	WO 98/10086	03/12/1998	WIPO PCT	—	—	Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

u	AR	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2µm Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986).
	AS	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995).
↓	AT	3	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc. (1992).

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<i>W</i>	AA4	6,040,430	03/21/2000	Stewart	530	358	12/26/1995
<i> </i>	AB4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AC4	5,348,886	09/20/1994	Lee et al.	435	320.1	09/04/1992
	AD4	6,143,557	11/07/2000	Hartley et al.	435	320.1	01/20/1999
	AE4	6,171,861 B1	01/09/2001	Hartley et al.	435	455	01/12/1998
	AF4	5,286,632	02/15/1994	Jones	435	91.2	01/09/1991
	AG4	5,334,575	08/02/1994	Nabi et al.	424	52	07/16/1992
	AH4	5,650,557	07/22/1997	Baum	435	172.3	06/07/1995
<i>↓</i>	AI4	5,728,551	03/17/1998	Devine et al.	435	91.41	03/02/1995
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<i>W</i>	AL4	WO 99/10488	03/04/1999	<del>WIPO</del> PCT			Yes No
<i> </i>	AM4	WO 00/12687	03/09/2000	<del>WIPO</del> PCT			Yes No
	AN4	EP 1 035 208 A1	09/13/2000	Europe <del>EP</del>			Yes No
	AO4	WO 94/09127	04/28/1994	<del>WIPO</del> PCT			Yes No
<i>↓</i>	AP4	WO 98/53056	11/26/1998	<del>WIPO</del> PCT			Yes X No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>4</u>	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5(2):433-440, IRL Press Limited (1986).
<i> </i>	AS	<u>4</u>	Astumian, J.H., et al., "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989).
<i>↓</i>	AT	<u>4</u>	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the $\lambda$ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier/North-Holland (1991).

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W	AL5	WO 99/21977	05/06/1999	WIPO PCT			Yes No
	AM5	WO 99/25851	05/27/1999	WIPO PCT			Yes X No
	AN5	WO 99/55851	11/04/1999	WIPO PCT			Yes No
	AO5	WO 00/060091	10/12/2000	WIPO PCT			Yes No
↓	AP5	WO 01/05961 A1	01/25/2001	WIPO PCT			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

W	AR	5	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, (1995).
↓	AS	5	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1995).
↓	AT	5	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>u</i>	AL6	WO 01/11058 A1	02/15/2001	WIPO <i>PCT</i>			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>u</i>	AR	<u>6</u>	Balakrishnan, R., et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and <i>p<sub>i</sub></i> expression vectors," <i>Gene</i> 138:101-104, Elsevier/North-Holland (January 1994).
<i>↓</i>	AS	<u>6</u>	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992).
<i>↓</i>	AT	<u>6</u>	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (1997).

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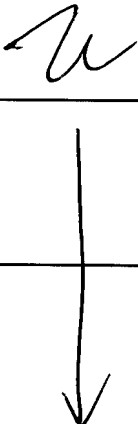
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	7	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992).				
	AS	7	Bernard, P., et al., "Positive Selection of vectors using the F plasmid ccdB killer gene," <i>Gene</i> 148:71-74, Elsevier Science Publishers B.V. (1994).				
	AT	7	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd. (October 1996).				

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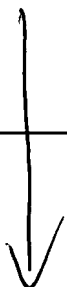
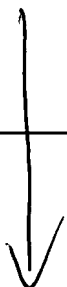
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	8	Bhandari, P. and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol.</i> 179:4403-4406, American Society for Microbiology (July 1997).
	AS	8	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier/North-Holland (1986).
	AT	8	Bloch, C.A., et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (1996).

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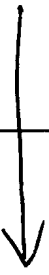

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>2</u>	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980).
	AS	<u>2</u>	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-821, Oxford University Press (1993).
	AT	<u>2</u>	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2µ Circle is Site-Specific," <i>Cell</i> 29:227-234, Cell Press (1982).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Brunelli, J.P. and Pall, M.L., "A Series of Yeast/ <i>Escherichia coli</i> $\lambda$ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318, John Wiley & Sons Ltd. (1993).
	AS	<u>10</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16(6):1061-1064, Eaton Publishing Company (June 1994).
	AT	<u>10</u>	Bubeck, P., et al., "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602, Oxford University Press (1993).

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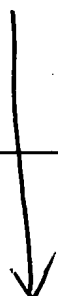
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	AP						Yes No

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	AR	<u>11</u>	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24(15):3118-3119, Oxford University Press (1996).
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	AR	<u>12</u>	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174(23):7495-7499, American Society for Microbiology (1992).
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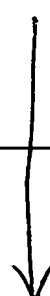

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	AR	<u>15</u>	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22(18):3765-3772, Oxford University Press (September 1994).
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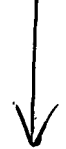
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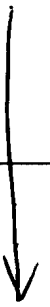
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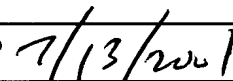
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	AT	<u>17</u>	Francia, M.V., and Lobo, J.M.G., "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society for Microbiology (February 1996).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>18</u>	Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909, National Academy of Sciences of the USA (1992).
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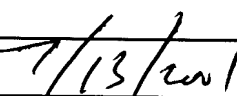
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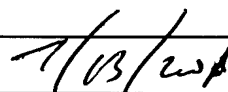
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	AR	<u>24</u>	Jaffé, A., et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth," J. Bacteriol. 163:841-849, American Society for Microbiology (1985).
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ATTY. DOCKET NO.  
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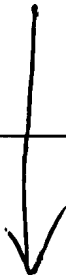
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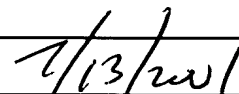
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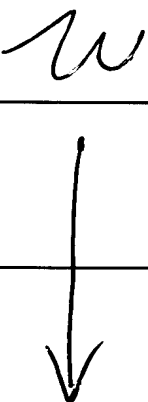
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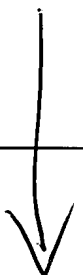

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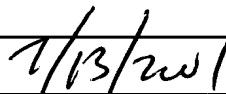
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	AR	<u>30</u>	Lorbach, E. et al., "Site-specific Recombination in Human Cells Catalyzed by Phage $\lambda$ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press, Inc. (March 2000).
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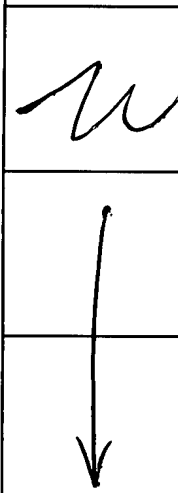
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	AR	<u>31</u>	Matsuzaki, H., et al., "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618, American Society for Microbiology (1990).
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	AR	<u>37</u>	Nunes-Duby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in $\lambda$ Excisive Recombination," Cell 59:197-206, Cell Press (1989).
	AS	<u>37</u>	Nunes-Duby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases," Nucl. Acids Res. 26:391-406, Oxford University Press (1998).
	AT	<u>37</u>	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," Nucl. Acids Res. 22(3):354-356, Oxford University Press (February 1994).

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	AR	<u>38</u>	Oliner, J.D., et al., "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucl. Acids Res.</i> 21:5192-5197, Oxford University Press (1993).
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	AT	<u>38</u>	Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," <i>Plant J.</i> 7:687-701, Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (1995).

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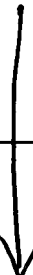

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	AT	<u>39</u>	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268(5):3683-3689, American Society for Biochemistry and Molecular Biology, Inc. (1993).

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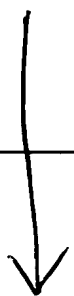
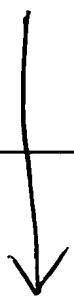
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>40</u>	Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71(4):3293-3298, American Society for Microbiology (1997).
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	AT	<u>40</u>	Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238, Elsevier/North-Holland (1997).

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	AR	<u>41</u>	Pichel, J. G., et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier/North-Holland (1993).
	AS	<u>41</u>	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences of the USA (1992).
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	AR	<u>42</u>	Pósfai, G., et al., "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22(12):2392-2393, Oxford University Press (June 1994).
	AS	<u>42</u>	Prasad, P. V., et al., "Substrate Recognition by the 2µm Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology (1986).
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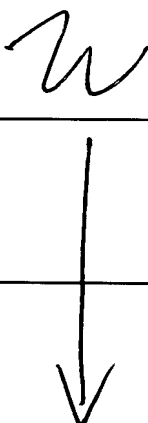
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>43</u>	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," Cell 25:713-719, Cell Press (1981).
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	AT	<u>43</u>	Richet, E., et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," Cell 46:1011-1021, Cell Press (1986).

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>44</u>	Richet, E., et al., "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press (1988).
	AS	<u>44</u>	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165(2):341-347, American Society for Microbiology (1986).
	AT	<u>44</u>	Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91, Academic Press (1995).

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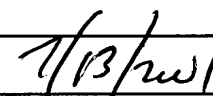
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>45</u>	Sauer, B., et al., "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112, National Academy of Sciences of the USA (1987).
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	AR	<u>46</u>	Sauer, B. and Henderson, N., "Cre-stimulated recombination at loxP-containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press (1989).
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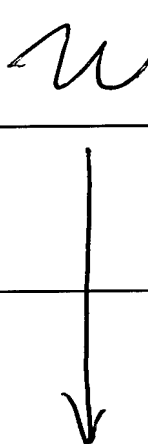
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	AR	<u>47</u>	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24(23):4608-4613, Oxford University Press (1996).
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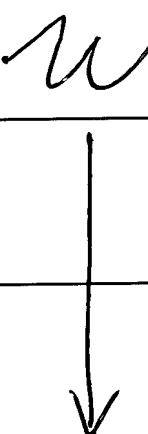
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	AR	<u>50</u>	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," Nucl. Acids Res. 18(10):2875-2880, Oxford University Press (1990).
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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>51</u>	Spengler, S.J., et al., "The Stereostructure of Knots and Catenanes Produced by Phage $\lambda$ Integrative Recombination: Implications for Mechanism and DNA Structure," Cell 42:325-334, Cell Press (1985).
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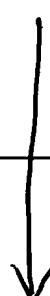
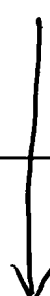
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	AR	<u>52</u>	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences of the USA (1990).
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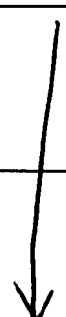
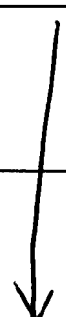
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W	AR	54	Tsurushita, N., et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63, Elsevier/North-Holland (1996).
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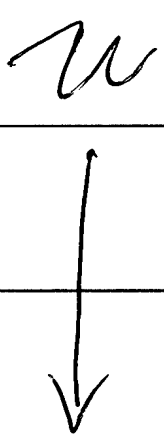
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	AR	<u>55</u>	Wang, G., et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates in vivo," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences of the USA (1993).
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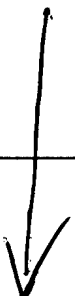

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	AR	<u>56</u>	Weisberg, R. A., and Landy, A., "Site-specific Recombination in Phage Lambda," in: "Lambda II," Hendrix, R. W. et al., eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N. Y., pp. 211-250 (1983).
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	AR	<u>57</u>	Winoto, A., et al., "Directional Control of Site-specific Recombination by Bacteriophage $\lambda$ ," J. Mol. Biol. 192:677-680, Academic Press, Inc. (1986).
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	AR	<u>58</u>	Yoon, Y.G., et al., "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 µm plasmid-derived system," <i>Gene</i> 223:67-76, Elsevier/North-Holland (1998).
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	AR	<u>59</u>	Zhu, et al., "Homology requirements for ligation and strand exchange by the FLP recombinase," J. Biol. Chem. 270:11646-11653, American Society for Biochemistry and Molecular Biology, Inc. (1995).
	AS	<u>59</u>	International Search Report for International Application No. PCT/US98/22589, mailed October 26, 1998.
	AT	<u>59</u>	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," J. Virol. 66:5509-5515, American Society for Microbiology (1992).

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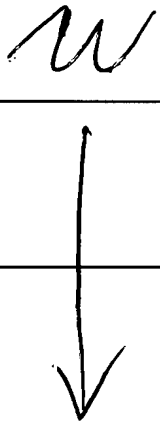
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	AR	<u>60</u>	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co. (1990).
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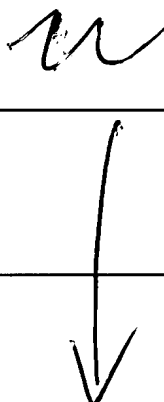
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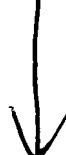
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	AR	<u>62</u>	Nomura, M., et al., "Regulation of the Synthesis of Ribosomes and Ribosomal Components," <i>Ann. Rev. Biochem.</i> 53:75-117, Annual Reviews, Inc. (1984).
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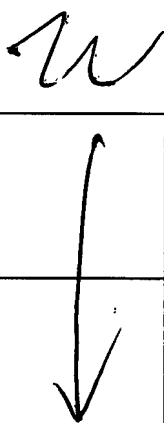
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>63</u>	Jayaram, M., "The Int family of site-specific recombinases: Some thoughts on a general reaction mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy Of Sciences Bangalore (1988).
	AS	<u>63</u>	Angelastro, J.M., et al., "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences of the USA (September 2000).
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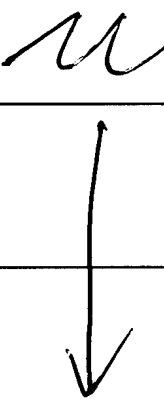
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AS	<u>64</u>	Chanock, R.M., <i>et al.</i> , "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993).
	AT	<u>64</u>	Chong, S., <i>et al.</i> , "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

u	AR	<u>65</u>	Chuang, C.-F., et al., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA (April 2000).
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W	AR	66	Deng, M.-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999).
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u	AR	68	Kealy, J.T., et al., "Production of a polyketide natural product in nonpolyketide-producing prokaryotic and eukaryotic hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences of the USA (1998).
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↓	AT	68	Kouprina, N., et al., "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press (1998).

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	AR	<u>69</u>	Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH (1995).
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	AT	<u>69</u>	Maemura, K., et al., "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," <i>J. Biol. Chem.</i> 274:31565-31570, The American Society for Biochemistry and Molecular Biology, Inc. (1999).

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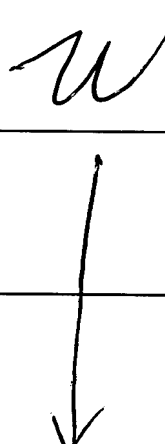
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	70	Mahillon, J., et al., "Subdivision of the Escherichia coli K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," Gene 223:47-54, Elsevier Science B.V. (1998).
	AS	70	Mette, M.F., et al., "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," EMBO J. 19:5194-5201, European Molecular Biology Organization (October 2000).
	AT	70	O'Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in Rhodobacter sphaeroides 2.4.1," Appl. Environ. Microbiol. 63:4713-4720, American Society for Microbiology (1997).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>71</u>	Panke, S., et al., "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an <i>ortho</i> -Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology (1998).
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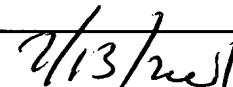
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	AS	<u>73</u>	Ross, W., and Landy, A., "Patterns of $\lambda$ Int Recognition in the Regions of Strand Exchange," <i>Cell</i> 33:261-272, MIT Press (1983).
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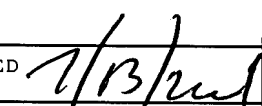
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	AL						Yes No
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	AR	<u>77</u>	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," Gene 223:55-66, Elsevier Science B.V. (1998).
	AS	<u>77</u>	"Gateway™ Cloning Technology," Version 1, GIBCO BRL, Life Technologies Instruction Manual, [retrievable from <http://www.lifetech.com/gateway>], pp. 1-60 (November 1999).
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FORM PTO-1449  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0942.5000001

APPLICATION NO.  
09/695,065

APPLICANT  
Brasch et al.

FILING DATE  
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/177,387, filed October 23, 1998.
	AS	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/233,492, filed January 20, 1999.
	AT	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,280, filed April 22, 1999.

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	AR	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,281, filed April 22, 1999.
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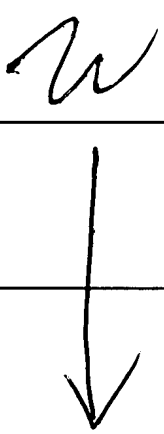
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	AS	<u>80</u>	Pending U.S. Non-Provisional Patent Application No. 09/732,914, filed December 11, 2000.
	AT	<u>80</u>	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant <i>lox</i> sites placed in the plant genome," <i>Plant J.</i> 7:649-659 Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (1995).

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	AR	<u>81</u>	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996).
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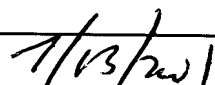
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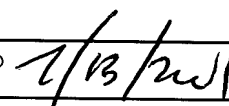
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	AR	<u>83</u>	Lee, G., and Saito, I., "Role of nucleotide sequences of loxP spacer region in Cre-mediated recombination," <i>Gene</i> 216:55-65, Elsevier Science B.V. (August 1998).
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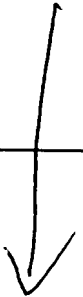

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	AS	<u>84</u>	Dialog File 351 (Derwent World Patents Index), unverified English language abstract for WIPO/PCT Publication No. WO 99/25851 (Document No. AM5); WPI Accession No. 1999-347485/199929.
	AT	<u>84</u>	International Search Report for PCT/US00/29355, mailed February 26, 2001.

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